PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	<u></u>
To: Page White & Farrer	PCT
54 Doughty Street London WC1N 2LS	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

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		Date of mailing (day/month/year)	2 3 -06- 2005	
Applicant's or agent's file reference 304850WO/PRS		FOR FURTHER ACTION See paragraph 2 below		
International application No. PCT/IB2004/004379	International filing date (day/month/year) 21.12.2004		Priority date (day/month/year) 23.12.2003	
International Patent Classification (IPC H04M 1/02, E05D 11/0	•	cation and IPC		
Applicant Nokia Corporation et	al			
This opinion contains indications re Box No. I Basis of the o	•	ems:		

1.	ruis (уринон сонына	s indications relating to the following items.			
	\boxtimes	Box No. I	Basis of the opinion			
		Box No. II	Priority			
		Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
		Box No. IV	Lack of unity of invention			
	\boxtimes	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
		Box No. VI	Certain documents cited			
		Box No. VII	Certain defects in the international application			
		Box No. VIII	Certain observations on the international application			
2.	FUR	THER ACTIO	N			
	Intern Auth	national Prelimi ority other than	mational preliminary examination is made, this opinion will be considered to be a written opinion of the inary Examining Authority ("TPEA") except that this does not apply where the applicant chooses an this one to be IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that his International Searching Authority will not be so considered.			
	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mail of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
	For f	iurther opinions	, see Form PCT/ISA/220.			
3.	For f	further details, s	see notes to Form PCT/ISA/220.			

Name and mailing address of the ISA/SE Patent- och registreringsverket Box 5055

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IB2004/004379 Box No. 1 Basis of this opinion 1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing b. format of material in written format in computer readable form c. time of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. 3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IB2004/004379

Box No. V Reasoned statement under Rule 43bls.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>1 - 14, 18</u>	YE
	Claims 15 - 17, 19	NO
Inventive step (IS)	Claims	YE
	Claims <u>1 - 19</u>	NO
Industrial applicability (IA)	Claims 1 - 19	YE
	Claims	NO

2. Citations and explanations:

The invention is intended to improve a hinge etc.

The following documents are cited:

D1: US 5970580 A D2: US 6437973 B1

Document D1 (column 2, line 17 - column 3, line 42, figures 1 - 3) discloses a hinge for mechanically connecting two parts of a handheld electronic device, wherein the hinge has a through hole for receiving a cable (8) and a spring washer (13).

Document D2 (column 2, line 35 - column 4, line 32, figures 1 - 2) discloses a hinge module (36) for mechanically connecting two parts (22, 28) of a handheld electronic device, wherein the hinge module has a flat flexible cable (168) with connectors (162,166) at both ends for connection to the components of the two parts (22, 28).

The invention claimed in claims 1 - 14 differs from what is known from document D1 essentially in that two hinges are mounted on a bracket with the through holes in alignment, i.e. the axes in alignment.

The technical problem is how to provide more space for cables.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box V.

It is well known to mechanically connect two parts of a handheld electronic device by the use of two hinge elements. Consequently, it would be obvious to a person skilled in the art to modify the hinge of document D1 by providing two hinges of the type known from document D1 with the through holes in alignment. Therefore, the invention claimed in claims 1 - 14 is novel but lacks an inventive step. Claims 1 - 14 fulfil the requirement of industrial applicability.

The invention claimed in claims 15 - 17 and 19 is essentially known from document D2 and therefore lacks novelty and an inventive step. Claims 15 - 17 and 19 fulfil the requirement of industrial applicability.

The invention claimed in claim 18 differs from what is known from document D2 essentially in that the hinge has a boss with a through hole for the cable.

The technical problem is how to provide an alternative arrangement for the cable.

Document D1 discloses a hinge having a boss with a through hole for the cable. Considering the documents D1 and D2 belong to the same technical field and no unexpected technical effect is obtained, it would be obvious to a person skilled in the art to modify the hinge of document D2 by providing the hinge with a boss having a through hole for the cable. Therefore, the invention claimed in claim 18 is novel but lacks an inventive step. Claim 18 fulfils the requirement of industrial applicability.

To sum up, the invention claimed in claims 1 - 14 and 18 is novel but lacks an inventive step. The invention claimed in claims 15 - 17 and 19 lacks novelty and inventive step. All the claims fulfil the requirement of industrial applicability.